

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal615lxc

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPLUS
NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
NEWS 6 MAR 03 MEDLINE and L MEDLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 13 APR 26 PROMT: New display field available
NEWS 14 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 15 APR 26 LITALERT now available on STN
NEWS 16 APR 27 NLDB: New search and display fields available

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:03:02 ON 07 MAY 2004

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 13:03:17 ON 07 MAY 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 7 May 2004 VOL 140 ISS 20
FILE LAST UPDATED: 6 May 2004 (20040506/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.44	0.65

FILE 'REGISTRY' ENTERED AT 13:03:22 ON 07 MAY 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 MAY 2004 HIGHEST RN 680179-46-8
DICTIONARY FILE UPDATES: 5 MAY 2004 HIGHEST RN 680179-46-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e rsorcinol/cm
'RSORCINOL' IS NOT A VALID NUMERIC VALUE
Only valid numeric terms can be EXPANDED in numeric fields. Valid numeric terms are zero and any term with an absolute value between 1 E-78 and 1 E74. Non-numeric characters are not permitted in the EXPAND command for numeric fields. To see a list of numeric and text fields in the current file, enter "HELP SFIELDS" at an arrow prompt (=>).

=> e rsorcinol/cn
E1 1 RSNC 1/16/CN

E2	1	RSO 3067/CN
E3	0 -->	RSORCINOL/CN
E4	1	RSP 110PA535/CN
E5	1	RSP 6/CN
E6	1	RSP 644-B/CN
E7	1	RSP29 PROTEIN (RAT TESTIS ROUND SPERMATID 29-KILODALTON)/CN
E8	1	RSPO/CN
E9	1	RSPONSE REGULATOR (VIBRIO VULNIFICUS STRAIN YJ016 GENE VVA10 16)/CN
E10	3	RSR/CN
E11	1	RSR 1035/CN
E12	1	RSR 104/CN

=> e resorcinol/cn

E1	1	RESORCINEX PECAN TANNIN 9901L/CN
E2	1	RESORCININ/CN
E3	1 -->	RESORCINOL/CN
E4	1	RESORCINOL 1,1,1-TRIMETHYLOLPROPANE MONOETHER/CN
E5	1	RESORCINOL A/CN
E6	1	RESORCINOL ACETATE OCTANOATE/CN
E7	1	RESORCINOL BIS(B-HYDROXYETHYL) ETHER/CN
E8	1	RESORCINOL BIS(1-HEXYL) ETHER/CN
E9	1	RESORCINOL BIS(2,3-EPOXYPROPYL) ETHER/CN
E10	1	RESORCINOL BIS(2-CHLOROETHYL) ETHER/CN
E11	1	RESORCINOL BIS(2-DIMETHYLAMINO BENZOATE)/CN
E12	1	RESORCINOL BIS(2-HYDROXYETHYL CARBONATE) DIMETHACRYLATE POLY MER/CN

=> e3

L1	1	RESORCINOL/CN
----	---	---------------

=> s 11

L2	1	RESORCINOL/CN
----	---	---------------

=> d 11\

'L1\' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG	-	RN
SAM	-	Index Name, MF, and structure - no RN
FIDE	-	All substance data, except sequence data
IDE	-	FIDE, but only 50 names
SQIDE	-	IDE, plus sequence data
SQIDE3	-	Same as SQIDE, but 3-letter amino acid codes are used
SQD	-	Protein sequence data, includes RN
SQD3	-	Same as SQD, but 3-letter amino acid codes are used
SQN	-	Protein sequence name information, includes RN

CALC	-	Table of calculated properties
EPROP	-	Table of experimental properties
PROP	-	EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS	--	Abstract
APPS	--	Application and Priority Information

BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ll
'Ll' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification

PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

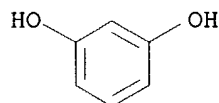
HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE): kwic

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
OTHER CA INDEX NAMES:
CN **Resorcinol (8CI)**

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 108-46-3 REGISTRY
CN 1,3-Benzenediol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Resorcinol (8CI)**
OTHER NAMES:
CN 1,3-Dihydroxybenzene
CN 3-Hydroxyphenol
CN C.I. 76505
CN C.I. Developer 4
CN C.I. Oxidation Base 31
CN Developer O
CN Developer R
CN Developer RS
CN Durafur Developer G
CN Fouramine RS
CN Fourrine 79
CN Fourrine EW
CN m-Benzenediol
CN m-Dihydroxybenzene
CN m-Hydroquinone
CN m-Hydroxyphenol
CN m-Hydroxyphenol
CN m-Phenylenediol
CN Nako TGG
CN NSC 1571
CN Pelagol Grey RS
CN Pelagol RS
CN Redimix 401RAP60
CN Reso

CN Resorcin
 CN Rodol RS
 CN RS 11H
 CN RS 11L
 FS 3D CONCORD
 MF C6 H6 O2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*,
 EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*,
 MSDS-OHS, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE,
 TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

14081 REFERENCES IN FILE CA (1907 TO DATE)
 1115 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 14093 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 4-(2,4-dihydroxyphenyl)cyclohexanol/cn

E1	1	4-(2,4-DIHYDROXYBENZOYL) PYRIDINE/CN
E2	1	4-(2,4-DIHYDROXYPHENYL)-2,6-DIMETHYLPYRYLIUM PERCHLORATE/CN
E3	0 -->	4-(2,4-DIHYDROXYPHENYL) CYCLOHEXANOL/CN
E4	1	4-(2,4-DIHYDROXYPHENYL) CYCLOHEXANONE/CN
E5	1	4-(2,4-DIHYDROXYPHENYL) PIPERIDINE/CN
E6	1	4-(2,4-DIHYDROXYPHENYL AZO) ANTIPYRINE/CN
E7	1	4-(2,4-DIHYDROXYPHENYL AZO) BENZENESULFONIC ACID/CN
E8	1	4-(2,4-DIHYDROXYSTYRYL)-2,6-DIISOPROPYL-4H-PYRAN-4-YLIUM PER CHLORATE/CN
E9	1	4-(2,4-DIIODOBENZYL)-5-(2,4-DIIODOPHENYL) PENTYLKETENE DIMER/ CN
E10	1	4-(2,4-DIIISOAMYLPHENOXY)-5-FLUORO-2-NITROANILINE/CN
E11	1	4-(2,4-DIMETHOXY-6-HYDROXY-5-METHYLCARBONYLPHENYL)-1-METHYL- 1,2,5,6-TETRAHYDROPYRIDINE/CN
E12	1	4-(2,4-DIMETHOXYANILINO)-6,7-DIMETHOXY-3-QUINOLINECARBOXAMID E/CN

=> e 4

E1	1	3ZRSI07/BI
E2	1	3ZRSI2/BI
E3	13633849 -->	4/BI
E4	621463	4'/BI
E5	45546	4''/BI
E6	15655	4'''/BI
E7	3202	4''''/BI
E8	1581	4'''''/BI
E9	879	4''''''/BI
E10	725	4'''''''/BI
E11	226	4''''''''/BI

E12 178 4''''''''/BI

=> e4

L3 621463 "4''"/BI

=> e 4-(2,4-dihydroxyphenyl)cyclohexanol/cn

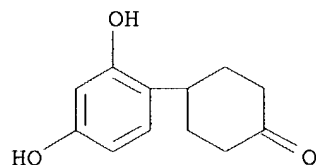
E1 1 4-(2,4-DIHYDROXYBENZOYL) PYRIDINE/CN
E2 1 4-(2,4-DIHYDROXYPHENYL)-2,6-DIMETHYLPYRYLIUM PERCHLORATE/CN
E3 0 --> 4-(2,4-DIHYDROXYPHENYL) CYCLOHEXANOL/CN
E4 1 4-(2,4-DIHYDROXYPHENYL) CYCLOHEXANONE/CN
E5 1 4-(2,4-DIHYDROXYPHENYL) PIPERIDINE/CN
E6 1 4-(2,4-DIHYDROXYPHENYL AZO) ANTIPYRINE/CN
E7 1 4-(2,4-DIHYDROXYPHENYL AZO) BENZENESULFONIC ACID/CN
E8 1 4-(2,4-DIHYDROXYSTYRYL)-2,6-DIISOPROPYL-4H-PYRAN-4-YLIUM PER
CHLORATE/CN
E9 1 4-(2,4-DIIODOBENZYL)-5-(2,4-DIIODOPHENYL) PENTYLKETENE DIMER/
CN
E10 1 4-(2,4-DIISOAMYLPHENOXY)-5-FLUORO-2-NITROANILINE/CN
E11 1 4-(2,4-DIMETHOXY-6-HYDROXY-5-METHYLCARBONYLPHENYL)-1-METHYL-
1,2,5,6-TETRAHYDROPYRIDINE/CN
E12 1 4-(2,4-DIMETHOXYANILINO)-6,7-DIMETHOXY-3-QUINOLINECARBOXAMID
E/CN

=> e4

L4 1 "4-(2,4-DIHYDROXYPHENYL) CYCLOHEXANONE"/CN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 295788-97-5 REGISTRY
CN Cyclohexanone, 4-(2,4-dihydroxyphenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **4-(2,4-Dihydroxyphenyl)cyclohexanone**
FS 3D CONCORD
MF C12 H14 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
27.65	28.30

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:10:11 ON 07 MAY 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1615lxc

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 13:14:24 ON 07 MAY 2004
FILE 'REGISTRY' ENTERED AT 13:14:24 ON 07 MAY 2004
COPYRIGHT (C) 2004 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.65	28.30

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.65	28.30

FILE 'REGISTRY' ENTERED AT 13:14:32 ON 07 MAY 2004
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provided by InfoChem.

STRUCTURE FILE UPDATES: 5 MAY 2004 HIGHEST RN 680179-46-8
DICTIONARY FILE UPDATES: 5 MAY 2004 HIGHEST RN 680179-46-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

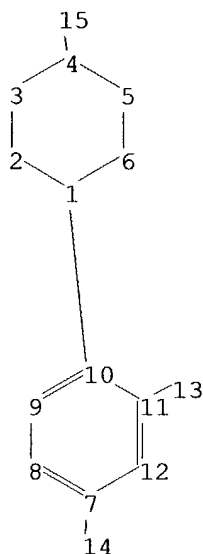
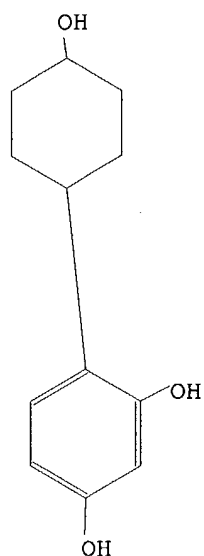
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\resorcinol.str



```

chain nodes :
13 14 15
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-10 4-15 7-14 11-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 4-15 5-6 7-14 11-13
exact bonds :
1-10
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS

```

L5 STRUCTURE UPLOADED

=> e 15

E1	10	L4R/BI
E2	4	L4S2/BI
E3	615 -->	L5/BI
E4	3	L5'/BI
E5	2	L5'HER13/BI
E6	17	L5.1/BI
E7	2	L5.4/BI
E8	36	L50/BI
E9	1	L500/BI
E10	1	L5002/BI
E11	1	L5003/BI
E12	1	L50050/BI

=> d 15

L5 HAS NO ANSWERS

L5

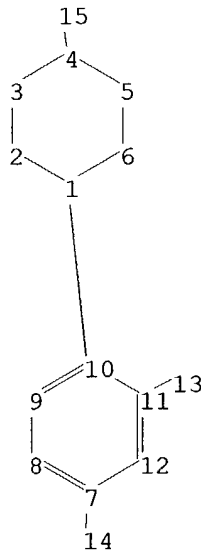
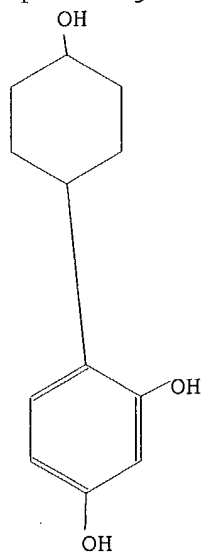
STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Program Files\Stnexp\Queries\resorcinol.str



chain nodes :

13 14 15

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

1-10 4-15 7-14 11-13

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-15 5-6 7-14 11-13

exact bonds :

1-10

normalized bonds :

7-8 7-12 8-9 9-10 10-11 11-12

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS

L6

STRUCTURE UPLOADED

=> s 16

SAMPLE SEARCH INITIATED 13:16:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4221 TO ITERATE

23.7% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

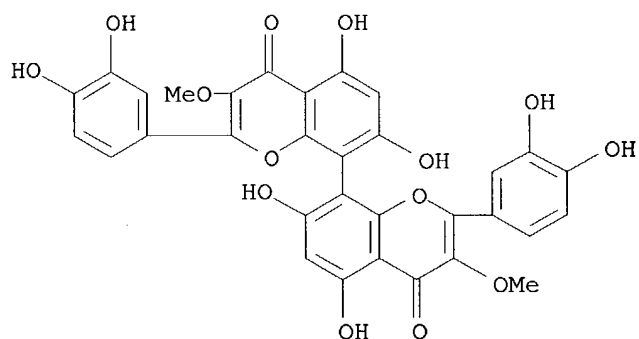
5 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 80525 TO 88315
PROJECTED ANSWERS: 147 TO 697

L7 5 SEA SSS SAM L6

=> d 17

L7 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
RN 554453-87-1 REGISTRY
CN [8,8'-Bi-4H-1-benzopyran]-4,4'-dione, 2,2'-bis(3,4-dihydroxyphenyl)-
5,5',7,7'-tetrahydroxy-3,3'-dimethoxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C32 H22 O14
SR CA
LC STN Files: CA, CAPLUS

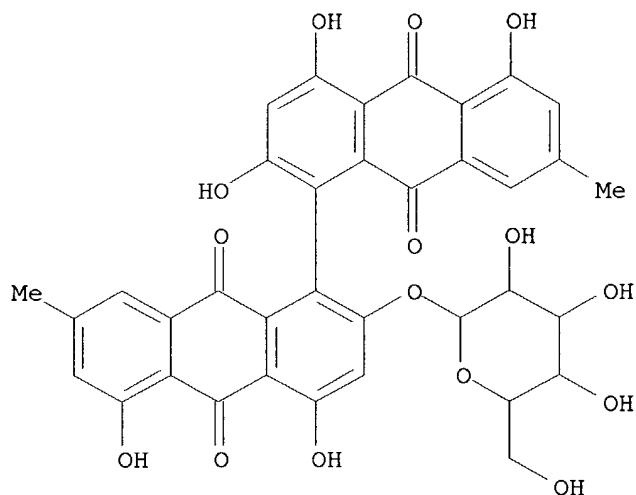


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 17 2-5

L7 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
RN 329371-35-9 REGISTRY
CN [1,1'-Bianthrane]-9,9',10,10'-tetrone, 2-(β -D-glucopyranosyloxy)-
2',4,4',5,5'-pentahydroxy-7,7'-dimethyl-, (1R)- (9CI) (CA INDEX NAME)
MF C36 H28 O15
SR CA
LC STN Files: CA, CAPLUS

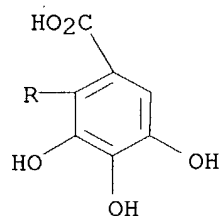
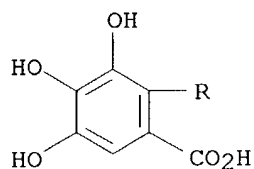


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
RN 261510-29-6 REGISTRY
CN β -D-Glucopyranose, cyclic bis(4,4',5,5',6,6'-hexahydroxy[1,1'-biphenyl]-2,2'-dicarboxylate) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C34 H24 O22
CI IDS
SR CA
LC STN Files: CA, CAPLUS

CM 1

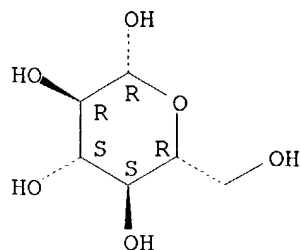
CRN 32773-02-7
CMF C14 H10 O10



CM 2

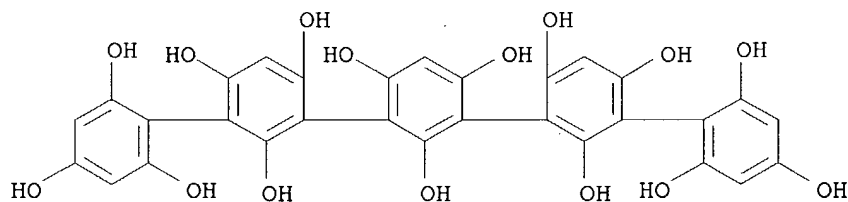
CRN 492-61-5
CMF C6 H12 O6

Absolute stereochemistry. Rotation (+).



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
RN 123237-88-7 REGISTRY
CN [1,1':3',1'':3'',1''':3''',1''''-Quinquephenyl]-
2,2',2'',2''',2''''',4,4',4'',4''',4''''',6,6',6'',6''',6''''-pentadecol,
stereoisomer (9CI) (CA INDEX NAME)
MF C30 H22 O15
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

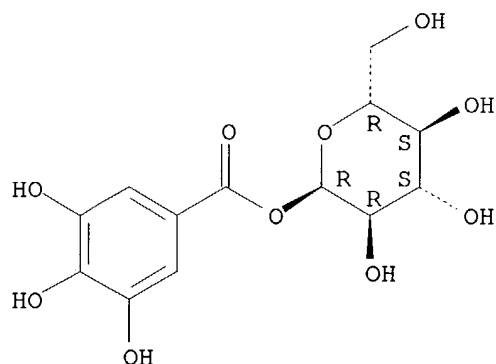
L7 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
RN 98917-88-5 REGISTRY
CN α -D-Glucopyranose, cyclic 4,6-[(1S)-3-[5-[[[4,6-O-[(1S)-
4,4',5,5',6,6'-hexahydroxy[1,1'-biphenyl]-2,2'-diyl]dicarbonyl]- β -D-
glucopyranosyl]oxy]carbonyl]-2,3-dihydroxyphenoxy]-4,4',5,5',6,6'-
hexahydroxy[1,1'-biphenyl]-2,2'-dicarboxylate] 1-(3,4,5-
trihydroxybenzoate) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN α -D-Glucopyranose, cyclic 4,6-[3-[5-[[[4,6-O-[(4,4',5,5',6,6'-
hexahydroxy[1,1'-biphenyl]-2,2'-diyl]dicarbonyl]- β -D-
glucopyranosyl]oxy]carbonyl]-2,3-dihydroxyphenoxy]-4,4',5,5',6,6'-
hexahydroxy[1,1'-biphenyl]-2,2'-dicarboxylate] 1-(3,4,5-
trihydroxybenzoate), stereoisomer
CN Dibenzo[g,i]pyrano[3,2-b][1,5]dioxacycloundecin, α -D-glucopyranose
deriv.
OTHER NAMES:
CN Sanguin H 9
FS STEREOSEARCH
MF C54 H42 O36
CI IDS
SR CA
LC STN Files: CA, CAPLUS, NAPRALERT

CRN 98917-87-4
CMF C41 H30 O28

O=C(O)c1cc(O)c(O)c(O)c1Oc2cc(O)c(O)c(O)c2COC(=O)O[C@@H]3O[C@H](COC(=O)c4c(O)c(O)c(O)c4)[C@H](O)[C@@H](O)[C@H]3OO=C(O)c1cc(O)c(O)c(O)c1

CRN 53318-36-8
CMF C13 H16 O10

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.95

39.25

FILE 'CAPLUS' ENTERED AT 13:17:30 ON 07 MAY 2004

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FILE COVERS 1907 - 7 May 2004 VOL 140 ISS 20

FILE LAST UPDATED: 6 May 2004 (20040506/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 4-(2,4-dihydroxyphenyl)cyclohexanol

MISSING OPERATOR '4-(2,4-DIHYDR'

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s (dihydroxyphenyl)cyclohexanol

MISSING OPERATOR OXYPHENYL)CYCLOHEXANO

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s dihydroxyphenylcyclohexanol

L8 1 DIHYDROXYPHENYLCYCLOHEXANOL

=> d l8 ibib kwic

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:688041 CAPLUS
 DOCUMENT NUMBER: 133:256584
 TITLE: Topical compositions containing 4-(2,4-dihydroxyphenyl)cyclohexanol
 INVENTOR(S): Collington, Eric William
 PATENT ASSIGNEE(S): Pfizer Inc., USA
 SOURCE: PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000056279	A1	20000928	WO 2000-IB278	20000314
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000009194	A	20011218	BR 2000-9194	20000314
EP 1165031	A1	20020102	EP 2000-906573	20000314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002539234	T2	20021119	JP 2000-606186	20000314
EE 200100489	A	20021216	EE 2001-489	20000314
NZ 513453	A	20030429	NZ 2000-513453	20000314
AU 765209	B2	20030911	AU 2000-28230	20000314
ZA 2001006681	A	20020814	ZA 2001-6681	20010814
NO 2001004586	A	20011121	NO 2001-4586	20010921
HR 2001000696	A1	20020831	HR 2001-696	20010921
BG 106016	A	20020531	BG 2001-106016	20011015
PRIORITY APPLN. INFO.:			US 1999-125553P	P 19990322
			WO 2000-IB278	W 20000314
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				
ST resorcinol cyclohexanol deriv skin lightening cosmetic; antiinflammatory topical compn dihydroxyphenylcyclohexanol				

=> s resorcinol derivatives (p) skin (p) (lighten? or pigment? or melanin or melanogenesis)

27340 RESORCINOL
 808 RESORCINOLS
 27520 RESORCINOL
 (RESORCINOL OR RESORCINOLS)
 309359 DERIVATIVES
 1039282 DERIVS
 1135416 DERIVATIVES
 (DERIVATIVES OR DERIVS)
 544 RESORCINOL DERIVATIVES
 (RESORCINOL(W)DERIVATIVES)
 202165 SKIN
 8830 SKINS
 207249 SKIN
 (SKIN OR SKINS)
 5602 LIGHTEN?

195564 PIGMENT?
 8704 MELANIN
 6459 MELANINS
 9923 MELANIN
 (MELANIN OR MELANINS)
 1607 MELANOGENESIS
 L9 12 RESORCINOL DERIVATIVES (P) SKIN (P) (LIGHTEN? OR PIGMENT? OR
 MELANIN OR MELANOGENESIS)

=> s resorcinol derivatives (p) skin (p) (lighten? or pigment? or melanin or
 melanogenesis or tyrosinase)

27340 RESORCINOL
 808 RESORCINOLS
 27520 RESORCINOL
 (RESORCINOL OR RESORCINOLS)
 309359 DERIVATIVES
 1039282 DERIVS
 1135416 DERIVATIVES
 (DERIVATIVES OR DERIVS)
 544 RESORCINOL DERIVATIVES
 (RESORCINOL(W) DERIVATIVES)
 202165 SKIN
 8830 SKINS
 207249 SKIN
 (SKIN OR SKINS)
 5602 LIGHTEN?
 195564 PIGMENT?
 8704 MELANIN
 6459 MELANINS
 9923 MELANIN
 (MELANIN OR MELANINS)
 1607 MELANOGENESIS
 7814 TYROSINASE
 244 TYROSINASES
 7864 TYROSINASE
 (TYROSINASE OR TYROSINASES)

L10 12 RESORCINOL DERIVATIVES (P) SKIN (P) (LIGHTEN? OR PIGMENT? OR
 MELANIN OR MELANOGENESIS OR TYROSINASE)

=> d l12 ibib kwic 1-

L12 NOT FOUND

The L-number entered has not been defined in this session, or it
 has been deleted. To see the L-numbers currently defined in this
 session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> y

L11 283918 Y

=> d l10 ibib kwic 1-

YOU HAVE REQUESTED DATA FROM 12 ANSWERS - CONTINUE? Y/(N):y

L10 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2004:182229 CAPLUS
 DOCUMENT NUMBER: 140:222903
 TITLE: Skin lightening compositions comprising coumarins
 INVENTOR(S): Harichian, Bijan; Barratt, Michael James; Bosko, Carol
 Annette
 PATENT ASSIGNEE(S): Unilever Home & Personal Care Usa, Division of
 Conopco, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004042983	A1	20040304	US 2002-227642	20020823
WO 2004017936	A1	20040304	WO 2003-EP8845	20030808
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2002-227642 A 20020823

OTHER SOURCE(S): MARPAT 140:222903

IT 50-81-7D, Vitamin C, derivs. 108-46-3D, **Resorcinol**,
derivs. 109-89-7, DEA, biological studies 118-56-9, Kemester
HMS 118-60-5, Sunarome WMO 123-31-9, Hydroquinone, biological studies
131-53-3, Benzophenone-8 131-54-4, Uvinul D-49 131-55-5, Uvinul D-50
131-56-6, Uvinul 400 131-57-7, Benzophenone-3 134-20-3, Sunarome UVA
136-44-7, NIPA GMPA 150-13-0, PABA 830-09-1, Bernel hydro 1843-05-6,
Benzophenone 12 1948-33-0, tert-Butyl hydroquinone 2549-90-8, Uvinul
408 2896-60-8, 4-EthylResorcinol 4065-45-6, Benzophenone-4
5232-99-5, Uvinul N-35 5466-77-3, Parsol MCX 6197-30-4, Uvinul N-539
8014-28-6, Sunarome W 27503-81-7, Eusolex 232 36861-47-9, Eusolex 6300
58817-05-3, Amerscol 58882-17-0, Amerscreen P 63250-25-9, Eusolex 8020
70356-09-1, Parsol 1789

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(**skin lightening** compns. comprising coumarins)

L10 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:777551 CAPLUS

DOCUMENT NUMBER: 139:280931

TITLE: Stabilization of sunscreens in cosmetic compositions
using resorcinol derivatives

INVENTOR(S): Love, Arthur Ray; Kerschner, Judith Lynne; Barratt,
Michael James; Zhou, Yan; Chandar, Prem

PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080009	A1	20031002	WO 2003-EP2656	20030313
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,			

NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG

US 2003185773 A1 20031002 US 2003-385914 20030311
PRIORITY APPLN. INFO.: US 2002-366908P P 20020322
OTHER SOURCE(S): MARPAT 139:280931
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Cosmetics

(**skin-lightening**, resorcinol as; **resorcinol**
derivs. for stabilization of sunscreens in cosmetics)

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:833519 CAPLUS

DOCUMENT NUMBER: 137:337679

TITLE: **Resorcinol derivatives as**
skin lightening agents

INVENTOR(S): Browning, Andrew Francis; Collington, Eric William;
Procter, Martin James; Geden, Joanna Victoria

PATENT ASSIGNEE(S): Swed.

SOURCE: U.S. Pat. Appl. Publ., 54 pp., Cont.-in-part of U.S.
Ser. No. 526,287, abandoned.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002161041	A1	20021031	US 2001-20037	20011221
PRIORITY APPLN. INFO.:			US 1999-125534P P	19990322
			US 2000-526287 B2	20000315

OTHER SOURCE(S): MARPAT 137:337679

TI **Resorcinol derivatives as skin**
lightening agents

L10 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:240695 CAPLUS

DOCUMENT NUMBER: 136:279198

TITLE: Preparation of **resorcinol**
derivatives as inhibitors of
tyrosinase for use as **skin-**
lightening agents

INVENTOR(S): Bradley, Stuart Edward; Collington, Eric William;
Fyfe, Matthew Colin Thor; Gattrell, William Thomas;
Geden, Joanna Victoria; Murray, Peter John; Procter,
Martin James; Rowley, Robert John; Williams, Jonathan
Gareth

PATENT ASSIGNEE(S): Pfizer Products, Inc., USA

SOURCE: PCT Int. Appl., 87 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002024613	A2	20020328	WO 2001-IB1677	20010913
WO 2002024613	A3	20020627		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

notice of allowance

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 EP 1318974 A2 20030618 EP 2001-963342 20010913
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 BR 2001014059 A 20030701 BR 2001-14059 20010913
 JP 2004509154 T2 20040325 JP 2002-528629 20010913
 US 2002137961 A1 20020926 US 2001-953690 20010917
 US 6541473 B2 20030401
 US 2003190298 A1 20031009 US 2003-386878 20030312
 PRIORITY APPLN. INFO.: US 2000-234468P P 20000921
 WO 2001-IB1677 W 20010913
 US 2001-953690 A1 20010917

OTHER SOURCE(S): MARPAT 136:279198

TI Preparation of **resorcinol derivatives** as inhibitors of **tyrosinase** for use as **skin-lightening agents**

IT **Skin**, disease
 (depigmentation; preparation of **resorcinol derivs.** as inhibitors of **tyrosinase** for use as **skin-lightening agents**)

IT Human
 (preparation of **resorcinol derivs.** as inhibitors of **tyrosinase** for use as **skin-lightening agents**)

IT 296764-13-1P, 4-(1,4-Dioxaspiro[4.5]dec-8-yl)-1,3-benzenediol
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug; preparation of **resorcinol derivs.** as inhibitors of **tyrosinase** for use as **skin-lightening agents**)

IT 296764-32-4P, [4-(2,4-Dihydroxyphenyl)cyclohexylidene]acetic acid
 296764-34-6P, [4-(2,4-Dihydroxyphenyl)cyclohexylidene]acetonitrile
 339547-74-9P, 4-(3-Cyclohexen-1-yl)-1,3-benzenediol 405516-18-9P,
 trans-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N-phenylurea 405517-89-7P,
 cis-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N-hydroxybenzamide
 405517-90-0P, cis-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]benzamide
 405517-91-1P 405517-92-2P, trans-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N-hydroxybenzamide 405517-93-3P 405517-94-4P, cis-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N'-phenylurea 405517-95-5P 405517-96-6P,
 cis-N-Benzyl-N-[4-(2,4-dihydroxyphenyl)cyclohexyl]-N'-ethylurea
 405517-97-7P, cis-N-Benzyl-N-[4-(2,4-dihydroxyphenyl)cyclohexyl]propanamide
 e 405517-98-8P 405517-99-9P, trans-4-(2,4-Dihydroxyphenyl)cyclohexyl
 benzylcarbamate 405518-00-5P, trans-4-(2,4-Dihydroxyphenyl)cyclohexyl
 ethyl carbonate 405518-01-6P, trans-Methyl [[[[4-(2,4-dihydroxyphenyl)cyclohexyl]oxy]carbonyl]amino]acetate 405518-02-7P
 405518-03-8P, 4-(1-Oxaspiro[2.5]oct-6-yl)-1,3-benzenediol 405518-04-9P,
 4-(4-Methylenecyclohexyl)-1,3-benzenediol 405518-06-1P 405518-07-2P,
 Benzyl [4-(2,4-dihydroxyphenyl)cyclohexylidene]acetate 405518-08-3P,
 4-(1,4-Dithiaspiro[4.5]dec-8-yl)-1,3-benzenediol 405518-09-4P
 405518-10-7P, trans-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-3-nitrobenzamide
 405518-11-8P, trans-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N'-phenylurea
 405518-12-9P 405518-13-0P, cis-3-Cyano-N-[4-(2,4-dihydroxyphenyl)cyclohexyl]-N-hydroxybenzamide 405518-14-1P,
 cis-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N-hydroxy-4-(trifluoromethyl)benzamide 405518-15-2P, cis-N-[4-(2,4-Dihydroxyphenyl)cyclohexyl]-N-hydroxy-4-methoxybenzamide 405518-16-3P,
 Methyl [4-(2,4-dihydroxyphenyl)cyclohexylidene]acetate 405518-17-4P
 405518-18-5P 405518-19-6P 405518-20-9P 405518-21-0P 405518-22-1P

405518-23-2P 405518-24-3P 405518-25-4P 405518-26-5P 405518-27-6P
 405518-28-7P 405518-29-8P 405518-30-1P 405518-31-2P 405518-32-3P
 405518-33-4P 405518-34-5P 405518-35-6P 405518-36-7P 405518-37-8P
 405518-38-9P 405518-39-0P 405518-40-3P 405518-41-4P 405518-42-5P
 405518-43-6P 405518-44-7P 405518-45-8P 405518-46-9P 405518-47-0P
 405518-48-1P 405518-49-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug; preparation of **resorcinol derivs.** as inhibitors
 of **tyrosinase** for use as **skin-lightening**
 agents)

IT 69016-26-8P, 3-Benzyloxy-2-cyclohexen-1-one 295788-93-1P,
 1-Bromo-2,4-bis(methoxymethoxy)benzene 295788-94-2P,
 8-[2,4-Bis(methoxymethoxy)phenyl]-1,4-dioxaspiro[4.5]decan-8-ol
 295788-95-3P, 8-[2,4-Bis(methoxymethoxy)phenyl]-1,4-dioxaspiro[4.5]dec-7-
 ene 295788-96-4P, 8-[2,4-Bis(methoxymethoxy)phenyl]-1,4-
 dioxaspiro[4.5]decane 295788-97-5P, 4-(2,4-Dihydroxyphenyl)cyclohexanone
 296763-89-8P, 4-[2,4-Bis(methoxymethoxy)phenyl]cyclohexanone
 296764-01-7P, 4-[2,4-Bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cyclohexanone
 296764-02-8P 296764-10-8P, 3-Benzyloxy-6-(8-hydroxy-1,4-
 dioxaspiro[4.5]dec-8-yl)-2-cyclohexen-1-one 296764-11-9P,
 1-Benzyloxy-6-bromo-3-(1,4-dioxaspiro[4.5]dec-8-yl)-2-
 oxabicyclo[2.2.2]octan-5-one 296764-12-0P, 5-Benzyloxy-2-(1,4-
 dioxaspiro[4.5]dec-7-en-8-yl)phenol 296764-14-2P, cis-N-Benzyl-N-[4-[2,4-
 bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cyclohexyl]amine 296764-15-3P,
 N-Benzyl-N-[4-[2,4-bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cyclohexylidene
]amine 296764-16-4P, trans-N-Benzyl-N-[4-[2,4-bis[(tert-
 butyl)dimethylsilyl]oxy]phenyl]cyclohexyl]amine 296764-18-6P,
 trans-[4-[2,4-Bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cyclohexyl]amine
 296764-20-0P, cis-[4-[2,4-Bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cyclohex
 yl]amine 296764-31-3P, [4-[2,4-Bis(methoxymethoxy)phenyl]cyclohexylidene
]acetic acid 296764-33-5P, [4-[2,4-Bis(methoxymethoxy)phenyl]cyclohexyli
 dene]acetonitrile 296764-42-6P 296764-43-7P 405512-30-3P
 405516-55-4P, trans-N-[4-[2,4-Bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cycl
 ohexyl]-3-nitrobenzamide 405517-30-8P 405517-78-4P 405517-79-5P
 405517-80-8P 405517-81-9P 405517-82-0P 405517-83-1P 405517-84-2P
 405517-85-3P 405517-86-4P, Benzyl [4-[2,4-bis[(tert-
 butyl)dimethylsilyl]oxy]phenyl]cyclohexylidene]acetate 405517-87-5P
 405517-88-6P, Methyl [4-[2,4-bis[(tert-butyl)dimethylsilyl]oxy]phenyl]cyclo
 hexylidene]acetate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(intermediate; preparation of **resorcinol derivs.** as
 inhibitors of **tyrosinase** for use as **skin-
 lightening** agents)

IT 59-92-7, biological studies 9002-10-2, **Tyrosinase**
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (preparation of **resorcinol derivs.** as inhibitors of
tyrosinase for use as **skin-lightening**
 agents)

IT 79-03-8, Propionyl chloride 98-88-4, Benzoyl chloride 100-07-2,
 p-Anisoyl chloride 100-46-9, Benzylamine, reactions 100-51-6, Benzyl
 alcohol, reactions 103-71-9, Phenyl isocyanate, reactions 107-30-2,
 Methyl chloromethyl ether 109-90-0, Ethylisocyanate 121-90-4,
 3-Nitrobenzoyl chloride 140-88-5, Ethyl acrylate 329-15-7,
 4-(Trifluoromethyl)benzoyl chloride 504-02-9, 1,3-Cyclohexanedione
 540-63-6, Ethane-1,2-dithiol 541-41-3, Ethylchloroformate 1711-11-1,
 3-Cyanobenzoyl chloride 1885-14-9, Phenylchloroformate 2537-48-6,
 Diethyl cyanomethylphosphonate 2999-46-4, Ethylisocyanoacetate
 3173-56-6, Benzyl isocyanate 4746-97-8, Cyclohexane-1,4-dione
 monoethylene ketal 6626-15-9, 4-Bromoresorcinol 13734-34-4,
 N-(tert-Butoxycarbonyl)-L-phenylalanine 15097-38-8, Benzyl

(triphenylphosphoranylidene) acetate 19617-43-7 405517-25-1
 405518-05-0, 4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexanol
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant; preparation of **resorcinol derivs.** as
 inhibitors of **tyrosinase** for use as **skin-**
lightening agents)

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:185071 CAPLUS

DOCUMENT NUMBER: 136:247344

TITLE: Preparation and formulation of **resorcinol**
derivatives for pharmaceutical use as
skin lightening agents

INVENTOR(S): Bradley, Stuart Edward; Collington, Eric William;
 Fyfe, Matthew Colin Thor; Procter, Martin James;
 Sambrook Smith, Colin Peter

PATENT ASSIGNEE(S): Pfizer Products Inc., USA

SOURCE: PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002020474	A2	20020314	WO 2001-IB1605	20010831
WO 2002020474	A3	20020606		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2001082399	A5	20020322	AU 2001-82399	20010831
EP 1317425	A2	20030611	EP 2001-961016	20010831
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
BR 2001013798	A	20030708	BR 2001-13798	20010831
JP 2004508351	T2	20040318	JP 2002-525097	20010831
US 2002114770	A1	20020822	US 2001-949026	20010907
US 6590105	B2	20030708		
US 2003180236	A1	20030925	US 2003-446062	20030527
PRIORITY APPLN. INFO.:			US 2000-231623P P	20000911
			WO 2001-IB1605 W	20010831
			US 2001-949026 A3	20010907

OTHER SOURCE(S): MARPAT 136:247344

TI Preparation and formulation of **resorcinol derivatives**
 for pharmaceutical use as **skin lightening** agents

AB **Resorcinol derivs.**, such as I [R = cycloalkyl, cycloalkenyl, sulfonylaminocycloalkyl, etc.], were prepared for pharmaceutical use as **skin lightening** agents. Thus, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]benzenesulfonamide (II) was prepared via reaction of cis-4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexylamine and benzenesulfonyl chloride followed by desilylation with 64% yield using TFA in DCE and H₂O. The prepared **resorcinol derivs.** were assayed for **tyrosinase** activity using SKMEL 188 human melanoma cells and for inhibition of **melanin** synthesis in human primary melanocytes.

IT Human

(preparation and formulation of **resorcinol derivs.** for pharmaceutical use as **skin lightening agents**)

IT Interleukin 1

Melanins

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(preparation and formulation of **resorcinol derivs.** for pharmaceutical use as **skin lightening agents**)

IT Cosmetics

(**skin-lightening**; preparation and formulation of **resorcinol derivs.** for pharmaceutical use as **skin lightening agents**)

IT 9002-10-2, **Tyrosinase** 80449-02-1, Tyrosine kinase

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(preparation and formulation of **resorcinol derivs.** for pharmaceutical use as **skin lightening agents**)

IT 403854-65-9P, 3-Cyano-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-75-1P, Methyl 3-[[[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoate 403854-76-2P 403854-77-3P, Methyl 3-[[[trans-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoate 403854-98-8P, 3-[[[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoic acid 403855-01-6P, Benzyl (2S)-2-[[3-[[[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoyl]amino]-3-phenylpropanoate 403855-03-8P, Benzyl 3-[[3-[[[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoyl]amino]propanoate

RL: COS (Cosmetic use); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation and formulation of **resorcinol derivs.** for pharmaceutical use as **skin lightening agents**)

IT 108-46-3DP, **Resorcinol, derivs.** 403854-57-9P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-58-0P, 4-Chloro-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-59-1P, 3-Chloro-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]-4-fluorobenzenesulfonamide 403854-60-4P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-2-thiophenesulfonamide 403854-61-5P, 5-Chloro-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]-2-thiophenesulfonamide 403854-62-6P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-3-nitrobenzenesulfonamide 403854-63-7P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-nitrobenzenesulfonamide 403854-64-8P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-2,4-dinitrobenzenesulfonamide 403854-66-0P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-(methylsulfonyl)benzenesulfonamide 403854-67-1P, N-[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-68-2P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-2-naphthalenesulfonamide 403854-69-3P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-methylbenzenesulfonamide 403854-70-6P, N-[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-methylbenzenesulfonamide 403854-71-7P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-methoxybenzenesulfonamide 403854-72-8P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-5-(dimethylamino)-1-naphthalenesulfonamide 403854-73-9P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-1-methyl-1H-imidazole-4-sulfonamide 403854-74-0P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-5-(3-isoxazolyl)-2-thiophenesulfonamide 403854-78-4P, Methyl 4-[[[trans-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoate 403854-79-5P, 4-Cyano-N-[trans-4-(2,4-dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-80-8P, N-[2-Chloro-4-[[[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]amino]sulfonyl]phenyl]acetamide 403854-81-9P, 4-Amino-3-chloro-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-82-0P, 4-Acetyl-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-83-1P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-(trifluoromethoxy)benzenesulfonamide 403854-84-2P, N-[trans-4-(2,4-

Dihydroxyphenyl)cyclohexyl]-4-fluorobenzenesulfonamide 403854-85-3P,
 N-[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]-2,4-difluorobenzenesulfonamide
 403854-86-4P, N-[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]-2,3,4,5,6-
 pentafluorobenzenesulfonamide 403854-87-5P, N-[trans-4-(2,4-
 Dihydroxyphenyl)cyclohexyl]-3-(trifluoromethyl)benzenesulfonamide
 403854-88-6P, N-[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]-3,5-
 bis(trifluoromethyl)benzenesulfonamide 403854-89-7P 403854-90-0P,
 2-Chloro-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]-5-
 (trifluoromethyl)benzenesulfonamide 403854-91-1P, 3,5-Dichloro-N-[cis-4-
 (2,4-dihydroxyphenyl)cyclohexyl]benzenesulfonamide 403854-92-2P,
 4-Bromo-N-[cis-4-(2,4-dihydroxyphenyl)cyclohexyl]-2,5-
 difluorobenzenesulfonamide 403854-93-3P, N-[cis-4-(2,4-
 Dihydroxyphenyl)cyclohexyl]-3,5-bis(trifluoromethyl)benzenesulfonamide
 403854-94-4P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-1-
 naphthalenesulfonamide 403854-95-5P, N-[cis-4-(2,4-
 Dihydroxyphenyl)cyclohexyl]-3-(hydroxymethyl)benzenesulfonamide
 403854-96-6P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-4-
 (hydroxymethyl)benzenesulfonamide 403854-97-7P, 4-[[[cis-4-(2,4-
 Dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoic acid 403854-99-9P,
 4-[[[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoic acid
 403855-00-5P, 3-[[[trans-4-(2,4-Dihydroxyphenyl)cyclohexyl]amino]sulfonyl]
 benzoic acid 403855-02-7P, (2S)-2-[[3-[[[cis-4-(2,4-
 Dihydroxyphenyl)cyclohexyl]amino]sulfonyl]benzoyl]amino]-3-phenylpropanoic
 acid 403855-04-9P, N-[3-[[[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]amino]s
 ulfonyl]benzoyl]- β -alanine 403855-05-0P, N-[cis-4-(2,4-
 Dihydroxyphenyl)cyclohexyl]-4-(hydrazinocarbonyl)benzenesulfonamide
 403855-06-1P, N-[cis-4-(2,4-Dihydroxyphenyl)cyclohexyl]-3-(1H-tetrazol-5-
 yl)benzenesulfonamide

RL: COS (Cosmetic use); PAC (Pharmacological activity); SPN (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); USES (Uses)

(preparation and formulation of **resorcinol derivs.** for
 pharmaceutical use as **skin lightening agents**)

IT 85-46-1, 1-Naphthalenesulfonyl chloride 93-11-8, 2-Naphthalenesulfonyl
 chloride 98-09-9, Benzenesulfonyl chloride 98-59-9, 4-Toluenesulfonyl
 chloride 98-60-2, 4-Chlorobenzenesulfonyl chloride 98-68-0,
 4-Methoxybenzenesulfonyl chloride 98-74-8, 4-Nitrobenzenesulfonyl
 chloride 121-51-7, 3-Nitrobenzenesulfonyl chloride 349-88-2,
 4-Fluorobenzenesulfonyl chloride 504-02-9, 1,3-Cyclohexanedione
 605-65-2, Dansyl chloride 705-21-5, 3,5-Dichlorobenzenesulfonyl chloride
 777-44-6, 3-Trifluoromethylbenzenesulfonyl chloride 832-53-1,
 Pentafluorobenzenesulfonyl chloride 1656-44-6, 2,4-
 Dinitrobenzenesulfonyl chloride 1738-78-9, L-Phenylalanine benzyl ester
 p-toluenesulfonic acid salt 1788-10-9 1939-99-7, Phenylmethylsulfonyl
 chloride 2766-74-7, 5-Chloro-2-thiophenesulfonyl chloride 4746-97-8,
 Cyclohexane-1,4-dione monoethylene ketal 13918-92-8,
 2,4-Difluorobenzenesulfonyl chloride 16629-19-9, 2-Thiophenesulfonyl
 chloride 16761-18-5, 4-Acetamido-3-chlorobenzenesulfonyl chloride
 27019-47-2, β -Alanine benzyl ester p-toluenesulfonic acid salt
 39234-86-1, 3,5-Bis(trifluoromethyl)benzene sulfonyl chloride
 49584-26-1, 4-(Chlorosulfonyl)benzonitrile 54090-08-3,
 2-Chloro-5-trifluoromethylbenzenesulfonyl chloride 56542-67-7,
 3-(Chlorosulfonyl)benzonitrile 63555-50-0, Methyl 3-
 chlorosulfonylbenzoate 69812-51-7, Methyl 4-chlorosulfonylbenzoate
 82964-91-8, 4-Methylsulfonylbenzenesulfonyl chloride 91170-93-3,
 3-Chloro-4-fluorobenzenesulfonyl chloride 94108-56-2,
 4-Trifluoromethoxybenzenesulfonyl chloride 137049-00-4 160233-27-2,
 5-(3-Isoxazolyl)-2-thiophenesulfonyl chloride 207974-14-9,
 4-Bromo-2,5-difluorobenzenesulfonyl chloride

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation and formulation of **resorcinol derivs.** for
 pharmaceutical use as **skin lightening agents**)

IT 69016-26-8P, 3-(Benzyloxy)-2-cyclohexen-1-one 295788-97-5P,

4-(2,4-Dihydroxyphenyl)cyclohexanone 296764-01-7P, 4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexanone 296764-10-8P, 3-(Benzyloxy)-6-(8-hydroxy-1,4-dioxaspiro[4.5]dec-8-yl)-2-cyclohexen-1-one 296764-11-9P, 1-(Benzyloxy)-6-bromo-3-(1,4-dioxaspiro[4.5]dec-8-yl)-2-oxabicyclo[2.2.2]octan-5-one 296764-12-0P, 5-(Benzyloxy)-2-(1,4-dioxaspiro[4.5]dec-7-en-8-yl)phenol 296764-13-1P, 4-(1,4-Dioxaspiro[4.5]dec-8-yl)-1,3-benzenediol 296764-14-2P, cis-N-Benzyl-N-[4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]amine 296764-15-3P 296764-16-4P, trans-N-Benzyl-N-[4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]amine 296764-18-6P, trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexylamine 296764-20-0P, cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexylamine 403855-07-2P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]benzenesulfonamide 403855-08-3P, 4-Chloro-N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]benzenesulfonamide 403855-09-4P 403855-10-7P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-2-thiophenesulfonamide 403855-11-8P, 5-Chloro-N-[cis-4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-2-thiophenesulfonamide 403855-12-9P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-3-nitrobenzenesulfonamide 403855-13-0P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-4-nitrobenzenesulfonamide 403855-14-1P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-2,4-dinitrobenzenesulfonamide 403855-15-2P, 3-Cyano-N-[cis-4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]benzenesulfonamide 403855-16-3P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-4-(methylsulfonyl)benzenesulfonamide 403855-17-4P, N-[trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]benzenesulfonamide 403855-18-5P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-2-naphthalenesulfonamide 403855-19-6P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-4-methylbenzenesulfonamide 403855-20-9P, N-[trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-4-methylbenzenesulfonamide 403855-21-0P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-4-methoxybenzenesulfonamide 403855-22-1P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-5-(dimethylamino)-1-naphthalenesulfonamide 403855-23-2P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-1-methyl-1H-imidazole-4-sulfonamide 403855-24-3P, N-[cis-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-5-(3-isoxazolyl)-2-thiophenesulfonamide 403855-25-4P 403855-26-5P, Methyl 4-[[[cis-4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]amino]sulfonyl]benzoate 403855-27-6P, 4-Cyano-N-[trans-4-[2,4-bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]benzenesulfonamide 403855-28-7P 403855-29-8P, N-[trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-4-fluorobenzenesulfonamide 403855-30-1P, N-[trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-2,4-difluorobenzenesulfonamide 403855-31-2P, N-[trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-2,3,4,5,6-pentafluorobenzenesulfonamide 403855-32-3P, N-[trans-4-[2,4-Bis[(tert-butyl dimethylsilyl)oxy]phenyl]cyclohexyl]-3-(trifluoromethyl)benzenesulfonamide

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and formulation of **resorcinol derivs.** for pharmaceutical use as **skin lightening agents**)

L10 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:78222 CAPLUS

DOCUMENT NUMBER: 136:139625

TITLE: Skin preparations containing resorcinol derivatives

INVENTOR(S): Higuchi, Susumu; Taniguchi, Takumi; Sakamoto, Toshio; Nishida, Hiromi

PATENT ASSIGNEE(S): Cosmo Products K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002029958	A2	20020129	JP 2000-217909	20000718

PRIORITY APPLN. INFO.: JP 2000-217909 20000718

IT **Melanins**
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(anti-acne and **skin-lightening** cosmetics containing
resorcinol derivs.)

IT Drug delivery systems
(ointments, creams; anti-acne and **skin-lightening**
cosmetics containing **resorcinol derivs.**)

IT Cosmetics
(**skin-lightening**; anti-acne and **skin-**
lightening cosmetics containing **resorcinol derivs**
.)

IT Acne
(treatment of; anti-acne and **skin-lightening**
cosmetics containing **resorcinol derivs.**)

IT 95-88-5, 4-Chlororesorcinol 6626-15-9, 4-Bromoresorcinol 87365-78-4
392688-78-7
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(anti-acne and **skin-lightening** cosmetics containing
resorcinol derivs.)

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:40086 CAPLUS
DOCUMENT NUMBER: 134:105642
TITLE: Emulsion compositions containing resorcinol
derivatives
INVENTOR(S): Seto, Masato; Fukuda, Yasuhiro; Torihara, Masahiro;
Tamai, Hiroyuki
PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan; Kuraray Co.,
Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001010925	A2	20010116	JP 1999-181597	19990628

PRIORITY APPLN. INFO.: JP 1999-181597 19990628

OTHER SOURCE(S): MARPAT 134:105642

AB Stable cosmetic emulsion compns. contain C10-30 alkyl side chain-containing
polymer having average mol. weight of 1,000,000 - 3,000,000 and
resorcinol derivs. I (R1, R 2 = H, C1-4 acyl or alkyl,
Me, tosyl; R3 = alkyl group or hydrogen). A **skin-**
lightening emulsion contained jojoba alc. 0.5, cetanol 0.5,
glycerol α -monooleate 0.3, jojoba oil 1.7, Me Ph polysiloxane 1,
butylparaben 0.1, 4-n-butylresorcinol 0.1, 1,3-butanediol 8, pemulen tr-2
0.1, sodium hydroxide 0.1, maltotriose 0.2 and water 87.3 weight%.

L10 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:833254 CAPLUS
 DOCUMENT NUMBER: 134:21295
 TITLE: Emulsified compositions containing polyhydric alcohol
 unsaturated higher alcohol ethers and resorcinol
 derivatives
 INVENTOR(S): Seto, Masato; Fukuda, Yasuhiro; Torihara, Masahiro;
 Tamai, Hiroyuki
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan; Kuraray Co.,
 Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000327557	A2	20001128	JP 1999-143152	19990524
PRIORITY APPLN. INFO.:			JP 1999-143152	19990524
OTHER SOURCE(S):	MARPAT 134:21295			

AB The compns. are claimed. The ethers stabilize **resorcinol**
derivs. as **melanin** formation inhibitors or microbicides
 and enhance the effect. A cream containing 70% maltitol solution 5, glycerin
 5,
 1,3-butanediol 5, 4-n-butylresorcinol 0.1, glycerin α -monooleyl
 ether (I) 1, diglycerin trioleate 5, methylparaben 0.3, butylparaben 0.1,
 liquid paraffin 10, light isoparaffin 20, Na₂HPO₄ 0.2, and H₂O 48.3 parts
 showed higher **skin-lightening** effect than a control
 cream containing glycerin α -monostearyl ether instead of I.
 IT Cosmetics
 (**skin-lightening**; emulsified compns. containing
 polyhydric alc. unsatd. higher alc. esters as emulsifiers and
resorcinol derivs.)

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:688208 CAPLUS
 DOCUMENT NUMBER: 133:266592
 TITLE: **Resorcinol derivatives** as
skin lightening agents
 INVENTOR(S): Collington, Eric William; Procter, Martin James;
 Geden, Joanna Victoria; Browning, Andrew Francis
 PATENT ASSIGNEE(S): Pfizer Inc., USA
 SOURCE: PCT Int. Appl., 98 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000056702	A1	20000928	WO 2000-IB286	20000316
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

BR 2000009211 A 20011226 BR 2000-9211 20000316
 EP 1165495 A1 20020102 EP 2000-909558 20000316
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 JP 2002540095 T2 20021126 JP 2000-606565 20000316
 EE 200100490 A 20021216 EE 2001-490 20000316
 AU 765221 B2 20030911 AU 2000-31839 20000316
 NZ 513452 A 20040326 NZ 2000-513452 20000316
 ZA 2001006679 A 20021125 ZA 2001-6679 20010814
 NO 2001004587 A 20011108 NO 2001-4587 20010921
 HR 2001000695 A1 20021231 HR 2001-695 20010921
 BG 106017 A 20020531 BG 2001-106017 20011015

PRIORITY APPLN. INFO.:

US 1999-125534P P 19990322
 WO 2000-IB286 W 20000316

OTHER SOURCE(S): MARPAT 133:266592

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI **Resorcinol derivatives as skin
 lightening agents**

L10 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:106871 CAPLUS

DOCUMENT NUMBER: 132:156536

TITLE: Nonirritant skin-lightening and antiaging cosmetics

INVENTOR(S): Sawaki, Shigeru; Sawaki, Shigetoyo

PATENT ASSIGNEE(S): Technoble K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000044460	A2	20000215	JP 1998-249022	19980729

PRIORITY APPLN. INFO.: JP 1998-249022 19980729

AB The cosmetics contain rice extract hydrolyzates and **skin-lightening** agents selected from kojic acid (derivs.), arbutin, ascorbic acid (derivs.), ellagic acid, **resorcinol derivs** ., placenta exts., Morus alba exts., and Saxifraga stolonifera exts. Rice was immersed in aqueous NaOH, filtered, and the filtrate was treated with actinase, pepsin, and trypsin to give an hydrolyzate. A **skin** cream containing the rice extract hydrolyzate and kojic acid was formulated.

L10 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:219745 CAPLUS

DOCUMENT NUMBER: 130:257180

TITLE: **Skin-lightening** cosmetics
 containing **resorcinol derivatives**

INVENTOR(S): Hu, Lan

PATENT ASSIGNEE(S): Pfizer Products Inc., USA

SOURCE: Eur. Pat. Appl., 20 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 904774	A1	19990331	EP 1998-307523	19980916
EP 904774	B1	20030326		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

AP 857	A	20000711	AP 1998-1349	19980717
W: BW, GM, GH, KE, MW, SD, UG, ZM, ZW				
BR 9803596	A	20000425	BR 1998-3596	19980823
US 6132740	A	20001017	US 1998-153479	19980915
AT 235220	E	20030415	AT 1998-307523	19980916
ES 2192301	T3	20031001	ES 1998-307523	19980916
JP 11152203	A2	19990608	JP 1998-262597	19980917
CA 2247748	AA	19990323	CA 1998-2247748	19980921
CA 2247748	C	20020702		
WO 9915148	A1	19990401	WO 1998-IB1451	19980921
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9889946	A1	19990412	AU 1998-89946	19980921
AU 735716	B2	20010712		
NZ 502797	A	20020426	NZ 1998-502797	19980921
ZA 9808669	A	20000322	ZA 1998-8669	19980922
BG 104247	A	20001130	BG 2000-104247	20000316
NO 2000001473	A	20000322	NO 2000-1473	20000322
HR 2000000168	A1	20000831	HR 2000-168	20000322

PRIORITY APPLN. INFO.: US 1997-59625P P 19970923
WO 1998-IB1451 W 19980921

OTHER SOURCE(S): MARPAT 130:257180

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI **Skin-lightening** cosmetics containing
resorcinol derivatives

AB The present invention relates to the use of certain **resorcinol**
derivs. as **skin lightening** agents. The
resorcinol derivs. are also effective for treating
inflammatory disorders. A solution containing 5 % 4-cyclohexylresorcinol in
ethanol:propylene glycol (70:30), was administered to the ears of black
guinea pigs to determine the depigmentation effects. The test composition
reduced
pigmentation in treated ears starting 3 wk after initial treatment
and the depigmentation effect was reversible and repigmentation partially
resumed one week after ceasing treatment.

IT Sunscreens
(addnl. active agent; topical preps. containing **resorcinol**
derivs. for **lightening skin** and for
treating inflammations)

IT **Melanins**
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
(Biological study); PROC (Process)
(formation inhibition of; topical preps. containing **resorcinol**
derivs. for **lightening skin** and for
treating inflammations)

IT **Skin, disease**
(**pigmentation**; topical preps. containing **resorcinol**
derivs. for **lightening skin** and for
treating inflammations)

IT Cosmetics
(**skin-lightening**; topical preps. containing
resorcinol derivs. for **lightening**
skin and for treating inflammations)

IT Anti-inflammatory agents

- (topical preps. containing **resorcinol derivs.** for **lightening skin** and for treating inflammations)
- IT Drug delivery systems
(topical; topical preps. containing **resorcinol derivs.** for **lightening skin** and for treating inflammations)
- IT Drug delivery systems
(transdermal; topical preps. containing **resorcinol derivs.** for **lightening skin** and for treating inflammations)
- IT 76-03-9, Trichloroacetic acid, biological studies 79-14-1, Glycolic acid, biological studies 302-79-4, Retinoic acid 501-36-0, Resveratrol
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(addnl. active agent; topical preps. containing **resorcinol derivs.** for **lightening skin** and for treating inflammations)
- IT 9002-10-2, **Tyrosinase**
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(inhibition of; topical preps. containing **resorcinol derivs.** for **lightening skin** and for treating inflammations)
- IT 15817-68-2P 78621-54-2P 221617-33-0P 221617-34-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of **resorcinol derivs.** as **skin lightening agents**)
- IT 96-41-3, Cyclopentanol 108-46-3, 1,3-Benzenediol, reactions 108-93-0, Cyclohexanol, reactions 502-41-0, Cycloheptanol 590-67-0, 1-MethylCyclohexanol 696-71-9, Cyclooctanol 1462-03-9, 1-MethylCyclopentanol
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of **resorcinol derivs.** as **skin lightening agents**)
- IT 2138-20-7P, 4-Cyclohexylresorcinol 21713-03-1P, 4-Cyclopentylresorcinol
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(topical preps. containing **resorcinol derivs.** for **lightening skin** and for treating inflammations)

L10 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:442433 CAPLUS

DOCUMENT NUMBER: 121:42433

TITLE: Cosmetics containing tyrosinase-inhibiting phenols

INVENTOR(S): Miura, Yasutaka; Kinoshita, Yasuhiro; Yamamoto, Yoshikazu; Tashiro, Keisuke; Yoshii, Takashi; Takahashi, Kunio

PATENT ASSIGNEE(S): Nippon Paint Co Ltd, Japan; Matsukusu Fuakutaa Kk

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06056641	A2	19940301	JP 1992-208809	19920805
PRIORITY APPLN. INFO.:			JP 1992-208809	19920805
OTHER SOURCE(S):		MARPAT 121:42433		

IT **Melanins**
 RL: FORM (Formation, nonpreparative)
 (formation of, inhibitors for, **resorcinol derivs.**
 as, for **skin-lightening** cosmetics)

IT Cosmetics
 (**skin-lightening**, containing **resorcinol**
derivs.)

IT 9002-10-2, **Tyrosinase**
 RL: BIOL (Biological study)
 (inhibitors for, **resorcinol derivs.** as, for
skin-lightening cosmetics)

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=> s collington/au
 L13 0 COLLINGTON/AU

=> s collington/in
 L14 0 COLLINGTON/IN

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 L15 31 COLLINGTON

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 YOU HAVE REQUESTED DATA FROM 31 ANSWERS - CONTINUE? Y/(N):y

L15 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:290937 CAPLUS
 DOCUMENT NUMBER: 128:292540
 TITLE: Diarrheagenic Escherichia coli. [Erratum to document
 cited in CA128:177917]
 AUTHOR(S): Nataro, James P.; Kaper, James B.
 CORPORATE SOURCE: Center for Vaccine Development, Departments of
 Medicine, Pediatrics and Microbiology & Immunology,
 University of Maryland School of Medicine, Baltimore,
 MD, 21201, USA
 SOURCE: Clinical Microbiology Reviews (1998), 11(2), 403
 CODEN: CMIREX; ISSN: 0893-8512
 PUBLISHER: American Society for Microbiology
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English

L15 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1969:100857 CAPLUS
 DOCUMENT NUMBER: 70:100857
 TITLE: Secondary electron emission and cathodic sputtering of
 titanium during bombardment with argon ions
 AUTHOR(S): Radzhabov, T. D.
 CORPORATE SOURCE: Inst. Elektron., Tashkent, USSR
 SOURCE: Izvestiya Akademii Nauk UzSSR, Seriya
 Fiziko-Matematicheskikh Nauk (1969), 13(1), 53-5
 CODEN: IUZFAU; ISSN: 0131-8012
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

L15 ANSWER 3 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1968:104083 CAPLUS
 DOCUMENT NUMBER: 68:104083
 TITLE: Survival of root-infecting fungi in soil. II.
 Influence of amendment and soil carbon-to-nitrogen

balance on Fusarium root rot of beans
AUTHOR(S): Papavizas, George C.; Lewis, Jack Allen; Adams, Peter B.
CORPORATE SOURCE: Crops Res. Div., Agr. Res. Serv., Beltsville, MD, USA
SOURCE: Phytopathology (1968), 58(3), 365-72
CODEN: PHYTAJ; ISSN: 0031-949X
DOCUMENT TYPE: Journal
LANGUAGE: English

L15 ANSWER 4 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1966:79342 CAPLUS
DOCUMENT NUMBER: 64:79342
ORIGINAL REFERENCE NO.: 64:14907b-c
TITLE: Manganese availability in soils of varying glauconite content
AUTHOR(S): Toth, S. J.
CORPORATE SOURCE: Rutgers Univ., New Brunswick, NJ
SOURCE: Soil Science (1966), 101(1), 31-8
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: English

L15 ANSWER 5 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1955:50000 CAPLUS
DOCUMENT NUMBER: 49:50000
ORIGINAL REFERENCE NO.: 49:9752b-d
TITLE: Investigations of an apple-leaf chlorosis
AUTHOR(S): Matlock, David L.; Childers, Norman F.
CORPORATE SOURCE: Rutgers Univ., New Brunswick, NJ
SOURCE: Proceedings of the American Society for Horticultural Science (1954), 64, 52-60
CODEN: PASHA6; ISSN: 0099-4065
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 6 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1955:29771 CAPLUS
DOCUMENT NUMBER: 49:29771
ORIGINAL REFERENCE NO.: 49:5740d-g
TITLE: Nickel status of New Jersey soils
AUTHOR(S): Painter, L. I.; Toth, S. J.; Bear, F. E.
CORPORATE SOURCE: New Jersey Agr. Expt. Sta., New Brunswick
SOURCE: Soil Science (1953), 76, 421-9
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 7 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1952:69063 CAPLUS
DOCUMENT NUMBER: 46:69063
ORIGINAL REFERENCE NO.: 46:11533d-g
TITLE: Organic matter in New Jersey soils
AUTHOR(S): Bear, Firman E.; Prince, Arthur L.
CORPORATE SOURCE: Rutgers Univ., New Brunswick, NJ
SOURCE: New Jersey Agr. Expt. Sta. Bull. (1951), No. 757, 2-24
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 8 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1951:1690 CAPLUS
DOCUMENT NUMBER: 45:1690
ORIGINAL REFERENCE NO.: 45:293b-c
TITLE: Know your soil. V. Collington sandy loam

AUTHOR(S): Hester, J. B.; Shelton, F. A.; Isaacs, R. L., Jr.
CORPORATE SOURCE: Campbell Soup Co., Riverton, NJ
SOURCE: Better Crops with Plant Food (1950), 34(No. 8), 46
CODEN: BCPFAF; ISSN: 0006-0089
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 9 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1951:1689 CAPLUS
DOCUMENT NUMBER: 45:1689
ORIGINAL REFERENCE NO.: 45:293a-b
TITLE: Know your soil. IV. Conestoga silt loam
AUTHOR(S): Hester, J. B.; Shelton, F. A.; Isaacs, R. L., Jr.
CORPORATE SOURCE: Campbell Soup Co., Riverton, NJ
SOURCE: Better Crops with Plant Food (1950), 34(No. 8), 21-3
CODEN: BCPFAF; ISSN: 0006-0089
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1949:7002 CAPLUS
DOCUMENT NUMBER: 43:7002
ORIGINAL REFERENCE NO.: 43:1513b-c
TITLE: An instance of manganese deficiency of alfalfa and red clover in New Jersey
AUTHOR(S): Evans, H. J.; Purvis, E. R.
SOURCE: Journal of the American Society of Agronomy (1948), 40, 1046-7
CODEN: JASAAL; ISSN: 0095-9650
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 11 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1948:23876 CAPLUS
DOCUMENT NUMBER: 42:23876
ORIGINAL REFERENCE NO.: 42:5147c-i,5148a
TITLE: Role of potash in growth and nutrition of Maryland tobacco
AUTHOR(S): Bowling, J. D.; Brown, D. E.
CORPORATE SOURCE: U.S. Dept. Agr., Washington, DC
SOURCE: U.S. Dept. Agr., Tech. Bull. (1947), No. 933, 28 pp.
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 12 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1948:23874 CAPLUS
DOCUMENT NUMBER: 42:23874
ORIGINAL REFERENCE NO.: 42:5146f-i,5147a
TITLE: Phosphorus-adsorbing capacities of some New Jersey soils
AUTHOR(S): Toth, Stephen J.; Bear, Firman E.
CORPORATE SOURCE: New Jersey State Agr. Expt. Sta., New Brunswick
SOURCE: Soil Science (1947), 64, 199-211
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1947:17708 CAPLUS
DOCUMENT NUMBER: 41:17708
ORIGINAL REFERENCE NO.: 41:3564h-i,3565a
TITLE: Fixation of potassium in relation to exchange capacity of soils. I. Release of fixed potassium

AUTHOR(S): Joffe, J. S.; Levine, A. K.
CORPORATE SOURCE: N. J. Agr. Expt. Sta., New Brunswick
SOURCE: Soil Science (1946), 62, 411-20
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 14 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1944:37885 CAPLUS
DOCUMENT NUMBER: 38:37885
ORIGINAL REFERENCE NO.: 38:5629d-g
TITLE: Removal of nutrients from the soil by crops and erosion

AUTHOR(S): Neal, O. R.
SOURCE: Journal of the American Society of Agronomy (1944), 36, 601-7
CODEN: JASAAL; ISSN: 0095-9650
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 15 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1944:1113 CAPLUS
DOCUMENT NUMBER: 38:1113
ORIGINAL REFERENCE NO.: 38:200a-b
TITLE: The influence of soil erosion on fertility losses and on potato yield

AUTHOR(S): Neal, O. R.
SOURCE: American Potato Journal (1943), 20, 57-64
CODEN: APOJAY; ISSN: 0003-0589
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 16 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1943:43119 CAPLUS
DOCUMENT NUMBER: 37:43119
ORIGINAL REFERENCE NO.: 37:6796d-f
TITLE: The effect of composts and compost materials upon the aggregation of the silt and clay particles of **Collington** sandy loam

AUTHOR(S): Martin, J. P.
SOURCE: Soil Science Society of America Proceedings (1943), Volume Date 1942, 7, 218-22
CODEN: SSSAA8; ISSN: 0038-0776
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 17 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1943:39152 CAPLUS
DOCUMENT NUMBER: 37:39152
ORIGINAL REFERENCE NO.: 37:6215g-i, 6216a-b
TITLE: The structural control of ore deposition in some South Australian copper fields. I. A. The Wallaroo-Moonta field. B. The Dome Rock copper mine. C. The Mount Gunson-Pernatty Lagoon district. D. The Burra Burra mine. E. The **Collington**-Kanmantoo district

AUTHOR(S): Dickinson, S. B.
SOURCE: Dept. of Mines, Geol. Survey South Australia Bull (1942), 20, 99 pp.
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1942:42374 CAPLUS

DOCUMENT NUMBER: 36:42374
ORIGINAL REFERENCE NO.: 36:6722g-i
TITLE: The use of micro-aggregation or dispersion
measurements for following changes in soil structure
AUTHOR(S): Kolodny, L.; Neal, O. R.
SOURCE: Soil Science Society of America Proceedings (1941), 6,
91-5
CODEN: SSSAA8; ISSN: 0038-0776
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 19 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1942:34002 CAPLUS
DOCUMENT NUMBER: 36:34002
ORIGINAL REFERENCE NO.: 36:5303c-d
TITLE: Erosion losses of major plant nutrients and organic
matter from **Collington** sandy loam
AUTHOR(S): Knoblauch, H. C.; Kolodny, L.; Brill, G. D.
SOURCE: Soil Science (1942), 53, 367-78
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 20 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1942:17365 CAPLUS
DOCUMENT NUMBER: 36:17365
ORIGINAL REFERENCE NO.: 36:2664g-i
TITLE: Influence of microorganisms on soil aggregation and
erosion. II
AUTHOR(S): Martin, James P.; Waksman, Selman A.
SOURCE: Soil Science (1941), 52, 381-94
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 21 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1942:17354 CAPLUS
DOCUMENT NUMBER: 36:17354
ORIGINAL REFERENCE NO.: 36:2661f-h
TITLE: The organic matter in **Collington** sandy loam
and in the eroded material
AUTHOR(S): Martin, James P.
SOURCE: Soil Science (1941), 52, 435-43
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1941:1356 CAPLUS
DOCUMENT NUMBER: 35:1356
ORIGINAL REFERENCE NO.: 35:244e
TITLE: Percolation and sorption of water as they relate to
infiltration in **Collington** sandy loam
AUTHOR(S): Richards, S. J.; Joffe, J. S.
SOURCE: Soil Science Society of America Proceedings (1939), 4,
94-9
CODEN: SSSAA8; ISSN: 0038-0776
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1940:53059 CAPLUS
DOCUMENT NUMBER: 34:53059

ORIGINAL REFERENCE NO.: 34:8134a-c
TITLE: Influence of microorganisms on soil aggregation and erosion
AUTHOR(S): Martin, James P.; Waksman, Selman A.
SOURCE: Soil Science (1940), 50, 29-47
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1939:42076 CAPLUS
DOCUMENT NUMBER: 33:42076
ORIGINAL REFERENCE NO.: 33:5959g-i
TITLE: The effect of alternate drying and wetting on the base-exchange complex, with special reference to the behavior of the potassium ion
AUTHOR(S): Joffe, J. S.; Kolodny, L.
SOURCE: Soil Science Society of America Proceedings (1938), 3, 107-11
CODEN: SSSAA8; ISSN: 0038-0776
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1935:53651 CAPLUS
DOCUMENT NUMBER: 29:53651
ORIGINAL REFERENCE NO.: 29:6989g-i
TITLE: Soil profile studies. VII. The glei process
AUTHOR(S): Joffe, J. S.
SOURCE: Soil Science (1935), 39, 391-401
CODEN: SOSCAK; ISSN: 0038-075X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1934:56624 CAPLUS
DOCUMENT NUMBER: 28:56624
ORIGINAL REFERENCE NO.: 28:6909a-e
TITLE: The nitrogen nutrition of tobacco
AUTHOR(S): Garner, W. W.; Bacon, C. W.; Bowling, J. D., Jr.; Brown, D. E.
CORPORATE SOURCE: U. S. Dept. Agr.
SOURCE: Tech. Bull. (1934), No. 414, 77 pp.
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1930:50032 CAPLUS
DOCUMENT NUMBER: 24:50032
ORIGINAL REFERENCE NO.: 24:5412f-i
TITLE: Effect of rye and vetch green manures on the microflora, nitrates and hydrogenion concentration of two acid and neutralized soils
AUTHOR(S): Smith, N. R.; Humfeld, Harry
SOURCE: Journal of Agricultural Research (Washington, D. C.) (1930), 41, 97-123
CODEN: JAGRAC; ISSN: 0095-9758
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1929:36682 CAPLUS
DOCUMENT NUMBER: 23:36682

ORIGINAL REFERENCE NO.: 23:4292h-i
TITLE: Fertilizer ratios for Prince George County
AUTHOR(S): McCall, A. G.
SOURCE: Maryland Sta., Bull. (1928), 294, 35-51
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1926:16626 CAPLUS
DOCUMENT NUMBER: 20:16626
ORIGINAL REFERENCE NO.: 20:2039c-d
TITLE: The chemical composition of the soils of the
Chatsworth area in New Jersey
AUTHOR(S): Blair, A. W.; Prince, A. L.
CORPORATE SOURCE: New Jersey Agr. Exp. Sta.
SOURCE: Bull. (1925), 414, 15 pp.
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1922:538 CAPLUS
DOCUMENT NUMBER: 16:538
ORIGINAL REFERENCE NO.: 16:135f-i
TITLE: The chemical composition of the soils of the Camden
area in New Jersey
AUTHOR(S): Blair, A. W.; McLean, H. C.
CORPORATE SOURCE: N. J. Agr. Expt. Sta.
SOURCE: Bull. (1921), 346, 1-40
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L15 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1917:2643 CAPLUS
DOCUMENT NUMBER: 11:2643
ORIGINAL REFERENCE NO.: 11:516d-i
TITLE: Cylinder experiments relative to the utilization and
accumulation of nitrogen
AUTHOR(S): Lipman, Jacob C.; Blair, A. W.
CORPORATE SOURCE: New Jersey Agr. Expt. Sta.
SOURCE: Bull. (1916), 289, 3-88
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

=> e collington/au

E1	2	COLLINGSWORTH MICHAEL G R/AU
E2	1	COLLINGSWORTH P D/AU
E3	0 -->	COLLINGTON/AU
E4	1	COLLINGTON D/AU
E5	1	COLLINGTON D J/AU
E6	4	COLLINGTON D M/AU
E7	1	COLLINGTON DAVID M/AU
E8	17	COLLINGTON E W/AU
E9	46	COLLINGTON ERIC W/AU
E10	25	COLLINGTON ERIC WILLIAM/AU
E11	1	COLLINGTON G K/AU
E12	4	COLLINGTON GEORGINA K/AU

=> e collington/in

E1	2	COLLINGS WM A/IN
E2	22	COLLINGS WM R/IN
E3	0 -->	COLLINGTON/IN
E4	8	COLLINGTON ERIC W/IN

E5 25 COLLINGTON ERIC WILLIAM/IN
 E6 5 COLLINGTON KENNETH T/IN
 E7 3 COLLINGTON KENNETH THOMAS/IN
 E8 1 COLLINGWOOD DENIS R/IN
 E9 1 COLLINGWOOD ERIC/IN
 E10 1 COLLINGWOOD ERIC CHARLES/IN
 E11 1 COLLINGWOOD F J/IN
 E12 4 COLLINGWOOD GEORGE H/IN

=> e5

L16 25 "COLLINGTON ERIC WILLIAM"/IN

=> d l16 ibib

L16 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:511098 CAPLUS
 DOCUMENT NUMBER: 139:85366
 TITLE: Preparation of N-(pyrimidin-4-yl)acetamides as A2b
 adenosine receptor selective antagonists
 INVENTOR(S): Castelhana, Arlindo; McKibben, Bryan; Steinig, Arno;
Collington, Eric William
 PATENT ASSIGNEE(S): OSI Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003053366	A2	20030703	WO 2002-US41273	20021220
WO 2003053366	A3	20040129		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2003162764 A1 20030828 US 2002-326204 20021220 PRIORITY APPLN. INFO.: US 2001-342595P P 20011220 OTHER SOURCE(S): MARPAT 139:85366				

=> d l16 ibib 2-

YOU HAVE REQUESTED DATA FROM 24 ANSWERS - CONTINUE? Y/(N):y

L16 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:833519 CAPLUS
 DOCUMENT NUMBER: 137:337679
 TITLE: Resorcinol derivatives as skin lightening agents
 INVENTOR(S): Browning, Andrew Francis; **Collington, Eric**
William; Procter, Martin James; Geden, Joanna
 Victoria
 PATENT ASSIGNEE(S): Swed.
 SOURCE: U.S. Pat. Appl. Publ., 54 pp., Cont.-in-part of U.S.
 Ser. No. 526,287, abandoned.
 CODEN: USXXCO

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002161041	A1	20021031	US 2001-20037	20011221
PRIORITY APPLN. INFO.:			US 1999-125534P P	19990322
			US 2000-526287 B2	20000315

OTHER SOURCE(S): MARPAT 137:337679

L16 ANSWER 3 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:814652 CAPLUS
DOCUMENT NUMBER: 137:315771
TITLE: Resorcinol skin lightening composition
INVENTOR(S): **Collington, Eric William**
PATENT ASSIGNEE(S): UK
SOURCE: U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S.
Ser. No. 525,643, abandoned.

CODEN: USXXCO

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002155075	A1	20021024	US 2002-61040	20020130
PRIORITY APPLN. INFO.:			US 1999-12553P P	19990322
			US 2000-525643 B2	20000315

L16 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:240695 CAPLUS
DOCUMENT NUMBER: 136:279198
TITLE: Preparation of resorcinol derivatives as inhibitors of tyrosinase for use as skin-lightening agents
INVENTOR(S): Bradley, Stuart Edward; **Collington, Eric William**; Fyfe, Matthew Colin Thor; Gattrell, William Thomas; Geden, Joanna Victoria; Murray, Peter John; Procter, Martin James; Rowley, Robert John; Williams, Jonathan Gareth
PATENT ASSIGNEE(S): Pfizer Products, Inc., USA
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002024613	A2	20020328	WO 2001-IB1677	20010913
WO 2002024613	A3	20020627		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1318974 A2 20030618 EP 2001-963342 20010913
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 BR 2001014059 A 20030701 BR 2001-14059 20010913
 JP 2004509154 T2 20040325 JP 2002-528629 20010913
 US 2002137961 A1 20020926 US 2001-953690 20010917
 US 6541473 B2 20030401
 US 2003190298 A1 20031009 US 2003-386878 20030312
 PRIORITY APPLN. INFO.: US 2000-234468P P 20000921
 WO 2001-IB1677 W 20010913
 US 2001-953690 A1 20010917
 OTHER SOURCE(S): MARPAT 136:279198

L16 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:185071 CAPLUS
 DOCUMENT NUMBER: 136:247344
 TITLE: Preparation and formulation of resorcinol derivatives
 for pharmaceutical use as skin lightening agents
 INVENTOR(S): Bradley, Stuart Edward; **Collington, Eric**
William; Fyfe, Matthew Colin Thor; Procter,
 Martin James; Sambrook Smith, Colin Peter
 PATENT ASSIGNEE(S): Pfizer Products Inc., USA
 SOURCE: PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002020474	A2	20020314	WO 2001-IB1605	20010831
WO 2002020474	A3	20020606		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2001082399	A5	20020322	AU 2001-82399	20010831
EP 1317425	A2	20030611	EP 2001-961016	20010831
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
BR 2001013798	A	20030708	BR 2001-13798	20010831
JP 2004508351	T2	20040318	JP 2002-525097	20010831
US 2002114770	A1	20020822	US 2001-949026	20010907
US 6590105	B2	20030708		
US 2003180236	A1	20030925	US 2003-446062	20030527
PRIORITY APPLN. INFO.:			US 2000-231623P P 20000911	
			WO 2001-IB1605 W 20010831	
			US 2001-949026 A3 20010907	
OTHER SOURCE(S):		MARPAT 136:247344		

L16 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:688208 CAPLUS
 DOCUMENT NUMBER: 133:266592
 TITLE: Resorcinol derivatives as skin lightening agents
 INVENTOR(S): **Collington, Eric William**; Procter, Martin
 James; Geden, Joanna Victoria; Browning, Andrew
 Francis

PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000056702	A1	20000928	WO 2000-IB286	20000316
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000009211	A	20011226	BR 2000-9211	20000316
EP 1165495	A1	20020102	EP 2000-909558	20000316
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002540095	T2	20021126	JP 2000-606565	20000316
EE 200100490	A	20021216	EE 2001-490	20000316
AU 765221	B2	20030911	AU 2000-31839	20000316
NZ 513452	A	20040326	NZ 2000-513452	20000316
ZA 2001006679	A	20021125	ZA 2001-6679	20010814
NO 2001004587	A	20011108	NO 2001-4587	20010921
HR 2001000695	A1	20021231	HR 2001-695	20010921
BG 106017	A	20020531	BG 2001-106017	20011015
PRIORITY APPLN. INFO.:			US 1999-125534P	P 19990322
			WO 2000-IB286	W 20000316

OTHER SOURCE(S): MARPAT 133:266592
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:688041 CAPLUS
DOCUMENT NUMBER: 133:256584
TITLE: Topical compositions containing 4-(2,4-dihydroxyphenyl)cyclohexanol
INVENTOR(S): Collington, Eric William
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000056279	A1	20000928	WO 2000-IB278	20000314
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				

CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

BR 2000009194	A	20011218	BR 2000-9194	20000314
EP 1165031	A1	20020102	EP 2000-906573	20000314

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

JP 2002539234	T2	20021119	JP 2000-606186	20000314
EE 200100489	A	20021216	EE 2001-489	20000314
NZ 513453	A	20030429	NZ 2000-513453	20000314
AU 765209	B2	20030911	AU 2000-28230	20000314
ZA 2001006681	A	20020814	ZA 2001-6681	20010814
NO 2001004586	A	20011121	NO 2001-4586	20010921
HR 2001000696	A1	20020831	HR 2001-696	20010921
BG 106016	A	20020531	BG 2001-106016	20011015

PRIORITY APPLN. INFO.: US 1999-125553P P 19990322
WO 2000-IB278 W 20000314

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1992:67214 CAPLUS

DOCUMENT NUMBER: 116:67214

TITLE: Oral compositions containing histamine H2-receptor
antagonist salts

INVENTOR(S): Clitherow, John Watson; **Collington, Eric
William**

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 454449	A1	19911030	EP 1991-303712	19910424
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE				
JP 04225988	A2	19920814	JP 1991-122197	19910424
US 5221688	A	19930622	US 1991-690302	19910424
PRIORITY APPLN. INFO.:			GB 1990-9240	19900425

L16 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1992:41289 CAPLUS

DOCUMENT NUMBER: 116:41289

TITLE: Preparation of salts of H2 antihistaminics with
bismuth carboxylates

INVENTOR(S): **Collington, Eric William**; Clitherow, John
Watson; Bays, David Edmund

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 454469	A1	19911030	EP 1991-303766	19910425
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 2041175	AA	19911027	CA 1991-2041175	19910425
ZA 9103132	A	19920624	ZA 1991-3132	19910425
JP 05117259	A2	19930514	JP 1991-122426	19910425

US 5229418 A 19930720 US 1991-691399 19910425
 AU 9175926 A1 19911107 AU 1991-75926 19910426
 AU 645554 B2 19940120
 PRIORITY APPLN. INFO.: GB 1990-9437 19900426
 OTHER SOURCE(S): MARPAT 116:41289

L16 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1992:6399 CAPLUS
 DOCUMENT NUMBER: 116:6399
 TITLE: Preparation and formulation of zinc citrate-ranitidine salt and analogs as gastrointestinal protectants
 INVENTOR(S): Clitherow, John Watson; **Collington, Eric William**
 PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
 SOURCE: Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 445949	A1	19910911	EP 1991-301550	19910226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 2037081	AA	19910828	CA 1991-2037081	19910226
AU 9171395	A1	19910829	AU 1991-71395	19910226
AU 639980	B2	19930812		
ZA 9101398	A	19920226	ZA 1991-1398	19910226
JP 04217676	A2	19920807	JP 1991-53823	19910226
US 5399556	A	19950321	US 1992-938301	19920302
PRIORITY APPLN. INFO.:			GB 1990-4328	19900227
			US 1991-660746	19910226

L16 ANSWER 11 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1991:81401 CAPLUS
 DOCUMENT NUMBER: 114:81401
 TITLE: Preparation of optically active prostanoids as thromboxane antagonists
 INVENTOR(S): **Collington, Eric William**; Finch, Harry; Hayes, Roger; Mills, Keith; Woodings, David Francis
 PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
 SOURCE: Brit. UK Pat. Appl., 23 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2226023	A1	19900620	GB 1988-27795	19881129
US 5039673	A	19910813	US 1989-397118	19890822
PRIORITY APPLN. INFO.:			GB 1987-14570	19870622
			GB 1987-14571	19870622
			US 1988-210419	19880621
			GB 1988-27795	19881129
OTHER SOURCE(S):			CASREACT 114:81401	

L16 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1990:571772 CAPLUS
 DOCUMENT NUMBER: 113:171772
 TITLE: Preparation of cyclopentyl ethers having PGE2-type

activity and pharmaceutical formulation

INVENTOR(S): **Collington, Eric William**; Swanson, Stephen;
Finch, Harry; Capps, Nigel Kenneth; Humphrey, Patrick
Paul Anthony

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 361772	A2	19900404	EP 1989-309552	19890920
EP 361772	A3	19900829		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 02121956	A2	19900509	JP 1989-242373	19890920
PRIORITY APPLN. INFO.:			GB 1988-22141	19880921
OTHER SOURCE(S):	MARPAT 113:171772			

L16 ANSWER 13 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:601611 CAPLUS

DOCUMENT NUMBER: 111:201611

TITLE: Aminocyclopentyl ethers, their preparation and
antithrombotic and antiasthmatic pharmaceuticals
containing them

INVENTOR(S): **Collington, Eric William**; Mills, Keith;
Finch, Harry; Woodings, David Francis; Hayes, Roger

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 297855	A1	19890104	EP 1988-305919	19880629
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 01207283	A2	19890821	JP 1988-159537	19880629
PRIORITY APPLN. INFO.:			GB 1987-15335	19870630
OTHER SOURCE(S):	MARPAT 111:201611			

L16 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:567405 CAPLUS

DOCUMENT NUMBER: 111:167405

TITLE: Antithrombotic and antiasthmatic aminocyclopentyl
ethers and their preparation

INVENTOR(S): **Collington, Eric William**; Mills, Keith;
Finch, Harry; Woodings, David Francis; Hayes, Roger

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 296802	A1	19881228	EP 1988-305643	19880621

R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

DK 8803403	A	19881223	DK 1988-3403	19880621
FI 8802965	A	19881223	FI 1988-2965	19880621
NO 8802730	A	19881223	NO 1988-2730	19880621
GB 2207131	A1	19890125	GB 1988-14696	19880621
JP 01022863	A2	19890125	JP 1988-151340	19880621
IL 86814	A1	19930315	IL 1988-86814	19880621
AU 8818235	A1	19881222	AU 1988-18235	19880622
AU 619192	B2	19920123		
ZA 8804453	A	19890628	ZA 1988-4453	19880622

PRIORITY APPLN. INFO.: GB 1987-14570 19870622
GB 1987-14571 19870622

OTHER SOURCE(S): MARPAT 111:167405

L16 ANSWER 15 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:18235 CAPLUS

DOCUMENT NUMBER: 106:18235

TITLE: Prostanoid aminocyclopentane derivatives and their pharmaceutical formulation

INVENTOR(S): **Collington, Eric William**; Hallett, Peter;
Wallis, Christopher John; Wadsworth, Alan; Bradshaw, John

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Brit. UK Pat. Appl., 14 pp.
CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2167403	A1	19860529	GB 1984-27129	19841026
PRIORITY APPLN. INFO.:			GB 1984-27129	19841026

L16 ANSWER 16 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:4744 CAPLUS

DOCUMENT NUMBER: 106:4744

TITLE: Prostanoid aminocyclopentanealkenoic acids and esters and their pharmaceutical formulations

INVENTOR(S): **Collington, Eric William**; Hallett, Peter;
Wallis, Christopher John; Bradshaw, John

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Brit. UK Pat. Appl., 14 pp.
CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2167404	A1	19860529	GB 1984-27130	19841026
PRIORITY APPLN. INFO.:			GB 1984-27130	19841026
OTHER SOURCE(S):		CASREACT 106:4744		

L16 ANSWER 17 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:4743 CAPLUS

DOCUMENT NUMBER: 106:4743

TITLE: Prostanoid aminocyclopentanealkenamides and their pharmaceutical formulations

INVENTOR(S): **Collington, Eric William**; Hallett, Peter;
Wallis, Christopher John; Wadsworth, Alan

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Brit. UK Pat. Appl., 11 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2167402	A1	19860529	GB 1984-27128	19841026
PRIORITY APPLN. INFO.:			GB 1984-27128	19841026

L16 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1986:552810 CAPLUS
DOCUMENT NUMBER: 105:152810
TITLE: Heterocyclic amino-substituted prostaglandin analogs
INVENTOR(S): **Collington, Eric William**; Hallett, Peter;
Wallis, Christopher John; Hayes, Norman Frank
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Brit. UK Pat. Appl., 6 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2165235	A1	19860409	GB 1984-22456	19840905
PRIORITY APPLN. INFO.:			GB 1984-22456	19840905

L16 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1986:552809 CAPLUS
DOCUMENT NUMBER: 105:152809
TITLE: Heterocyclic amino-substituted prostaglandin analogs
INVENTOR(S): **Collington, Eric William**; Hallett, Peter;
Wallis, Christopher John; Hayes, Norman Frank
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Brit. UK Pat. Appl., 9 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2165535	A1	19860416	GB 1984-22455	19840905
PRIORITY APPLN. INFO.:			GB 1984-22455	19840905

L16 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1986:207035 CAPLUS
DOCUMENT NUMBER: 104:207035
TITLE: Cyclopentyl ethers
INVENTOR(S): **Collington, Eric William**
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Eur. Pat. Appl., 70 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 160495	A2	19851106	EP 1985-302830	19850423
EP 160495	A3	19860827		
EP 160495	B1	19890111		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DK 8501809	A	19851025	DK 1985-1809	19850423
AU 8541631	A1	19851031	AU 1985-41631	19850423
AU 588526	B2	19890921		
JP 60252459	A2	19851213	JP 1985-85570	19850423
ZA 8503016	A	19851224	ZA 1985-3016	19850423
AT 39920	E	19890115	AT 1985-302830	19850423
US 4980499	A	19901225	US 1985-726332	19850423
CA 1248527	A1	19890110	CA 1985-479981	19850424
US 4824993	A	19890425	US 1987-97334	19870911
PRIORITY APPLN. INFO.:			GB 1984-10396	19840424
			EP 1985-302830	19850423
			GB 1985-10277	19850423
			US 1985-726332	19850423
			US 1986-848450	19860404
			US 1986-854892	19860423

L16 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1986:5705 CAPLUS

DOCUMENT NUMBER: 104:5705

TITLE: Aminocyclopentanes and their pharmaceutical formulation

INVENTOR(S): Collington, Eric William; Hallett, Peter; Wallis, Christopher John; Hayes, Norman Frank

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK

SOURCE: Ger. Offen., 77 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3432658	A1	19850321	DE 1984-3432658	19840905
BE 900502	A1	19850305	BE 1984-213592	19840905
SE 8404456	A	19850307	SE 1984-4456	19840905
FI 8403469	A	19850307	FI 1984-3469	19840905
NO 8403529	A	19850307	NO 1984-3529	19840905
DK 8404229	A	19850307	DK 1984-4229	19840905
AU 8432753	A1	19850314	AU 1984-32753	19840905
AU 574711	B2	19880714		
NL 8402713	A	19850401	NL 1984-2713	19840905
GB 2146023	A1	19850411	GB 1984-22453	19840905
GB 2146023	B2	19870325		
JP 60084267	A2	19850513	JP 1984-184720	19840905
ES 535674	A1	19851001	ES 1984-535674	19840905
ZA 8406965	A	19851127	ZA 1984-6965	19840905
US 4613597	A	19860923	US 1984-647537	19840905
CH 662350	A	19870930	CH 1984-4237	19840905
CA 1234811	A1	19880405	CA 1984-462455	19840905
IL 72862	A1	19880731	IL 1984-72862	19840905
FR 2551440	A1	19850308	FR 1984-13706	19840906
FR 2551440	B1	19861226		
PRIORITY APPLN. INFO.:			GB 1983-23830	19830906
			GB 1984-14676	19840608
OTHER SOURCE(S):			CASREACT 104:5705	

L16 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1984:630224 CAPLUS
 DOCUMENT NUMBER: 101:230224
 TITLE: Aminocyclopentanoic acids
 INVENTOR(S): Waterhouse, Ian; Marshall, David Robert;
Collington, Eric William; Hallett, Peter;
 Wallis, Christopher John
 PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
 SOURCE: Ger. Offen., 44 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3339019	A1	19840503	DE 1983-3339019	19831027
NO 8303328	A	19840319	NO 1983-3328	19830915
NO 160848	B	19890227		
NO 160848	C	19890607		
DK 8304926	A	19840429	DK 1983-4926	19831027
FI 8303930	A	19840429	FI 1983-3930	19831027
FI 76328	B	19880630		
FI 76328	C	19881010		
AU 8320630	A1	19840503	AU 1983-20630	19831027
AU 567307	B2	19871119		
FR 2535322	A1	19840504	FR 1983-17149	19831027
FR 2535322	B1	19870130		
GB 2129796	A1	19840523	GB 1983-28747	19831027
GB 2129796	B2	19850925		
ZA 8308018	A	19840627	ZA 1983-8018	19831027
JP 59130282	A2	19840726	JP 1983-201886	19831027
JP 03041468	B4	19910624		
ES 526813	A1	19850416	ES 1983-526813	19831027
CA 1191136	A1	19850730	CA 1983-439889	19831027
AT 8303810	A	19880515	AT 1983-3810	19831027
AT 387220	B	19881227		
CH 666895	A	19880831	CH 1983-5827	19831027
US 5164503	A	19921117	US 1991-698895	19910513
PRIORITY APPLN. INFO.:			GB 1982-30770	19821028
			GB 1982-26378	19820916
			GB 1982-30771	19821028
			US 1983-546049	19831027
			US 1986-874830	19860616
			US 1987-122638	19871110
			US 1989-402514	19890905

OTHER SOURCE(S): CASREACT 101:230224

L16 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1983:197874 CAPLUS
 DOCUMENT NUMBER: 98:197874
 TITLE: Aminocyclopentanol acids and esters as prostaglandin
 analogs
 INVENTOR(S): Hallett, Peter; **Collington, Eric William**;
 Hayes, Norman Frank; Wallis, Christopher John;
 Wadsworth, Alan
 PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
 SOURCE: Brit. UK Pat. Appl., 18 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2097397	A	19821103	GB 1982-12490	19820429
GB 2097397	B2	19840919		
CA 1191134	A1	19850730	CA 1982-401724	19820427
JP 57183772	A2	19821112	JP 1982-70591	19820428
JP 03052456	B4	19910812		
FI 8201504	A	19821030	FI 1982-1504	19820429
FI 78478	B	19890428		
FI 78478	C	19890810		
DK 8201918	A	19821030	DK 1982-1918	19820429
DK 162441	B	19911028		
DK 162441	C	19920323		
AU 8283107	A1	19821104	AU 1982-83107	19820429
AU 564950	B2	19870903		
EP 69447	A2	19830112	EP 1982-302227	19820429
EP 69447	A3	19830316		
EP 69447	B1	19861029		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
ZA 8202933	A	19830427	ZA 1982-2933	19820429
ES 511813	A1	19830601	ES 1982-511813	19820429
IL 65656	A1	19851031	IL 1982-65656	19820429
AT 23155	E	19861115	AT 1982-302227	19820429
ES 519454	A1	19840316	ES 1983-519454	19830201
ES 525669	A1	19850816	ES 1983-525669	19830916
ES 532049	A1	19860616	ES 1984-532049	19840430
US 4977163	A	19901211	US 1988-183293	19880411
PRIORITY APPLN. INFO.:			GB 1981-13238	19810429
			GB 1981-20459	19810702
			US 1982-372823	19820428
			EP 1982-302227	19820429
			US 1982-437332	19821028
			US 1984-584300	19840305
			US 1985-750655	19850701

L16 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1982:472177 CAPLUS
DOCUMENT NUMBER: 97:72177
TITLE: Aminocyclopentanone amides and pharmaceutical compositions containing them
INVENTOR(S): Collington, Eric William; Hallett, Peter; Wallis, Christopher John; Hayes, Norman Frank
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Fr. Demande, 49 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2486076	A1	19820108	FR 1981-13122	19810703
GB 2079281	A	19820120	GB 1981-20458	19810702
GB 2079281	B2	19840418		
US 4371530	A	19830201	US 1981-279825	19810702
BE 889497	A1	19820104	BE 1981-205303	19810703
SE 8104168	A	19820105	SE 1981-4168	19810703
DK 8102962	A	19820105	DK 1981-2962	19810703
AU 8172530	A1	19820107	AU 1981-72530	19810703

NL 8103199	A	19820201	NL 1981-3199	19810703
DE 3126382	A1	19820519	DE 1981-3126382	19810703
JP 57102877	A2	19820626	JP 1981-103439	19810703
ZA 8104532	A	19820728	ZA 1981-4532	19810703
ES 503662	A1	19821101	ES 1981-503662	19810703
DE 3127343	A1	19830428	DE 1981-3127343	19810710
PRIORITY APPLN. INFO.:			GB 1980-22048	19800704

L16 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1982:34677 CAPLUS
DOCUMENT NUMBER: 96:34677
TITLE: Prostanoid compounds and their pharmaceutical formulations
INVENTOR(S): **Collington, Eric William**; Hallett, Peter; Wallis, Christopher John; Bradshaw, John
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Eur. Pat. Appl., 58 pp. >
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 32432	A1	19810722	EP 1981-300078	19810108
EP 32432	B1	19850724		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
AU 8166036	A1	19830203	AU 1981-66036	19810107
AU 542949	B2	19850328		
GB 2070591	A	19810909	GB 1981-483	19810108
GB 2070591	B2	19840118		
ZA 8100114	A	19820127	ZA 1981-114	19810108
AT 14425	E	19850815	AT 1981-300078	19810108
JP 56108780	A2	19810828	JP 1981-1278	19810109
US 4438112	A	19840320	US 1982-419521	19820917
US 4438111	A	19840320	US 1982-419520	19820917
PRIORITY APPLN. INFO.:			GB 1980-697	19800109
			GB 1980-698	19800109
			EP 1981-300078	19810108
			US 1981-223315	19810108
			US 1981-223316	19810108
OTHER SOURCE(S):		CASREACT 96:34677		

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(FILE 'HOME' ENTERED AT 13:03:02 ON 07 MAY 2004)

FILE 'CAPLUS' ENTERED AT 13:03:17 ON 07 MAY 2004

FILE 'REGISTRY' ENTERED AT 13:03:22 ON 07 MAY 2004

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E RESORCINOL/CN
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L2      1 SEA ABB=ON  PLU=ON  RESORCINOL/CN
        D L1\
        D L1
        E 4-(2,4-DIHYDROXYPHENYL)CYCLOHEXANOL/CN
        E 4
L3      621463 SEA ABB=ON  PLU=ON  "4'"/BI
        E 4-(2,4-DIHYDROXYPHENYL)CYCLOHEXANOL/CN
L4      1 SEA ABB=ON  PLU=ON  "4-(2,4-DIHYDROXYPHENYL)CYCLOHEXANONE"/CN

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D L4

FILE 'REGISTRY' ENTERED AT 13:14:32 ON 07 MAY 2004

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 E L5
 D L5

L6 STRUCTURE UPLOADED

L7 5 SEA SSS SAM L6
 D L7
 D L7 2-5

FILE 'CAPLUS' ENTERED AT 13:17:30 ON 07 MAY 2004

L8 1 SEA ABB=ON PLU=ON DIHYDROXYPHENYLCYCLOHEXANOL
 D L8 IBIB KWIC

L9 12 SEA ABB=ON PLU=ON RESORCINOL DERIVATIVES (P) SKIN (P)
 (LIGHTEN? OR PIGMENT? OR MELANIN OR MELANOGENESIS)

L10 12 SEA ABB=ON PLU=ON RESORCINOL DERIVATIVES (P) SKIN (P)
 (LIGHTEN? OR PIGMENT? OR MELANIN OR MELANOGENESIS OR TYROSINASE
)

L11 283918 SEA ABB=ON PLU=ON Y
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L12 0 SEA ABB=ON PLU=ON COOLINGTON/AU

L13 0 SEA ABB=ON PLU=ON COLLINGTON/AU

L14 0 SEA ABB=ON PLU=ON COLLINGTON/IN

L15 31 SEA ABB=ON PLU=ON COLLINGTON
 D L15 IBIB 1-
 E COLLINGTON/AU
 E COLLINGTON/IN

L16 25 SEA ABB=ON PLU=ON "COLLINGTON ERIC WILLIAM"/IN
 D L16 IBIB
 D L16 IBIB 2-

FILE HOME

FILE CAPLUS

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FILE LAST UPDATED: 6 May 2004 (20040506/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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DICTIONARY FILE UPDATES: 5 MAY 2004 HIGHEST RN 680179-46-8

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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FULL ESTIMATED COST

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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